

WHAT IS CLAIMED IS:

1           1.    A detection apparatus for the detection of a  
2 media link embedded in a program comprising:  
3           a tuner tuned to the program; and,  
4           a meter coupled to the tuner and arranged to  
5 detect the media link embedded in the program tuned by the  
6 tuner.

1           2.    The detection apparatus of claim 1 wherein  
2 the tuner comprises a scanning tuner.

1           3.    The detection apparatus of claim 2 wherein  
2 the scanning tuner tunes to a plurality of channels, and  
3 wherein the meter is arranged to detect media links from  
4 programs carried in the tuned channels.

1           4.    The detection apparatus of claim 1 further  
2 comprising a program identifier, wherein the program  
3 identifier is arranged to identify the program directly from  
4 the media link.

1           5.    The detection apparatus of claim 1 further  
2    comprising a program identifier, wherein the program  
3    identifier is arranged to identify the program by accessing  
4    a content provider.

1           6.    The detection apparatus of claim 1 further  
2    comprising a program identifier, wherein the program  
3    identifier is arranged to received a manual identification  
4    of the program.

1           7.    The detection apparatus of claim 1 wherein  
2    the media link is a URL.

1           8.    The detection apparatus of claim 1 wherein  
2    the media link is a code referenced to a URL.

1           9.    The detection apparatus of claim 1 wherein  
2    the media link is a trigger.

1                   10. A data acquisition system for the acquisition  
2 of identifying data from a program comprising:  
3                   a tuner tuned to the program; and,  
4                   a meter coupled to the tuner and arranged to  
5 capture first and second program identifying datum  
6 identifying the program tuned by the tuner, wherein the  
7 first program identifying datum is a media link embedded in  
8 the program, and wherein the second program identifying  
9 datum is a program identifying datum other than a media  
10 link.

1                   11. The data acquisition system of claim 10  
2 wherein the tuner comprises a scanning tuner.

1                   12. The data acquisition system of claim 11  
2 wherein the scanning tuner tunes to a plurality of channels,  
3 wherein the meter is arranged to capture media links from  
4 programs in the tuned channels, and wherein the meter is  
5 arranged to capture second program identifying data  
6 identifying programs in the tuned channels.

1           13. The data acquisition system of claim 10  
2 further comprising a program identifier arranged to identify  
3 the program from the first and/or second program identifying  
4 data.

1           14. The data acquisition system of claim 13  
2 wherein the program identifier is arranged to identify the  
3 program by comparing the first and/or second program  
4 identifying data to corresponding first and/or second  
5 reference identifying data.

1           15. The data acquisition system of claim 10  
2 wherein the second program identifying datum is a signature  
3 extracted from the program.

1           16. The data acquisition system of claim 10  
2 wherein the data acquisition system is arranged to keep the  
3 second program identifying datum only if the meter fails to  
4 acquire the first program identifying datum.

1           17. The data acquisition system of claim 10  
2 further comprising a program identifier, wherein the program  
3 identifier is arranged to identify the program directly from  
4 the media link.

1           18. The data acquisition system of claim 10  
2 further comprising a program identifier, wherein the program  
3 identifier is arranged to identify the program by accessing  
4 a content provider.

1           19. The data acquisition system of claim 10  
2 further comprising a program identifier, wherein the program  
3 identifier is arranged to receive a manual identification of  
4 the program.

1           20. The data acquisition system of claim 10  
2 wherein the media link is a URL.

1           21. The data acquisition system of claim 10  
2 wherein the media link is a code referenced to a URL.

1           22. The data acquisition system of claim 10  
2 wherein the media link is a trigger.

1           23. The data acquisition system of claim 10  
2 wherein the meter is arranged to capture the second program  
3 identifying datum from the program only in the event that  
4 the meter is unable to capture the first program identifying  
5 datum from the program.

1           24. A program identification system comprising:  
2 a tuner tunable to at least one of a plurality of  
3 channels;

4 a meter coupled to the tuner, wherein the meter is  
5 arranged to detect content ancillary information from a  
6 program carried in a channel tuned by the tuner and to  
7 extract a broadcast signature from the program; and,

8 a comparator arranged to compare the broadcast  
9 signature to a reference signature, wherein the reference  
10 signature is selected from a library of reference signatures  
11 based upon the content ancillary information.

1           25. The program identification system of claim 24  
2 wherein the content ancillary information is a media link.

1           26. The program identification system of claim 25  
2 wherein the media link is a URL.

1           27. The program identification system of claim 25  
2 wherein the media link is a code referenced to a URL.

1           28. The program identification system of claim 25  
2 wherein the media link is a trigger.

1           29. The program identification system of claim 24  
2 wherein the content ancillary information is closed  
3 captioning information.

1           30. The program identification system of claim 24  
2 wherein, if the broadcast signature does not have associated  
3 content ancillary information, the comparator is arranged to  
4 compare the broadcast signature to a reference signature

5 selected from a library of reference signatures based upon a  
6 hash code.

1 31. The program identification system of claim 24  
2 wherein the reference signature includes an identification  
3 of the program.

4 32. The program identification system of claim 24  
5 wherein the broadcast signature includes the channel and a  
6 time at which the broadcast signature is extracted.

7 33. The program identification system of claim 32  
8 wherein the reference signature includes an identification  
9 of the program.

10 34. A method of clustering signatures comprising  
11 the following:

- 12 a) extracting broadcast signatures from programs;  
13 b) detecting content ancillary information from  
14 the programs; and,  
15



6 c) comparing one of the broadcast signatures  
7 having content ancillary information associated therewith  
8 only to others of the broadcast signatures having associated  
9 therewith substantially the same content ancillary  
10 information.

1 35. The method of claim 34 wherein the comparison  
2 of broadcast signatures comprises the following:

3 comparing the one broadcast signature to others of  
4 the broadcast signatures not having associated therewith any  
5 content ancillary information.

1 36. The method of claim 34 wherein the one  
2 broadcast signature is a first broadcast signature, and  
3 wherein the comparison of broadcast signatures comprises the  
4 following:

5 comparing a second broadcast signature to others  
6 of the broadcast signatures not having content ancillary  
7 information associated therewith, wherein the second  
8 broadcast signature also does not have content ancillary  
9 information associated therewith.

1                   37. The method of claim 34 wherein the content  
2 ancillary information is a media link.

1                   38. The method of claim 37 wherein the media link  
2 is a URL.

1                   39. The method of claim 37 wherein the media link  
2 is a code referenced to a URL.

1                   40. The method of claim 37 wherein the media link  
2 is a trigger.

1                   41. The method of claim 34 wherein the content  
2 ancillary information is closed captioning information.

1                   42. The method of claim 34 further comprising  
2 comparing the one broadcast signature to a reference  
3 signature, wherein the reference signature is selected from  
4 a library of reference signatures based on the content  
5 ancillary information.

1                   43. The method of claim 42 wherein the content  
2 ancillary information is a media link.

1                   44. The method of claim 43 wherein the media link  
2 is a URL.

1                   45. The method of claim 43 wherein the media link  
2 is a code referenced to a URL.

1                   46. The method of claim 43 wherein the media link  
2 is a trigger.

1                   47. The method of claim 42 wherein the content  
2 ancillary information is closed captioning information.